

the first data line driving circuit being a line sequential driver,
the second data line driving circuit connectable to the at least one of
the plurality of data lines through the other end of the at least one of plurality of the data
lines, and
the at least one of the plurality of data lines connectable to both of the first
data line driver and the second data line driver,

27. (Twice Amended) A display substrate for use with a first data line driving
circuit and a second data line driving circuit, comprising:
a plurality of scan lines; and
a plurality of data lines;
at least one same data line of the plurality of data lines connectable to
both of the first data line driving circuit and the second data line driving circuit, and
the first data line driving circuit being a line sequential driver.

28. (Twice Amended) A display substrate for use with a first data line driving
circuit and a second data line driving circuit, comprising:
a plurality of scan lines; and
a plurality of data lines;
the plurality of data lines connectable to both of the first data line
driving circuit and the second data line driving circuit, and
the first data line driving circuit being a line sequential driver.

REMARKS

Claims 22-35 are pending. By this Amendment, claims 22, 27 and 28 are amended.
Reconsideration based on the above amendments and following remarks is respectfully
requested.

Applicant appreciates the courtesies extended to Applicant's representative by Examiner Mengistu in the March 18, 2003, personal interview. The points discussed are incorporated into the following remarks.

The attached Appendix includes marked-up copies of each rewritten claim (37 C.F.R. §1.121(c)(1)(ii)).

I. The Claims Define Allowable Subject Matter

The Office Action rejects claims 22-24 and 28 under 35 U.S.C. §102(b) as unpatentable over U.S. Patent No. 5,040,878 to Fukuda et al. (hereinafter "Fukuda"); claim 27 under 35 U.S.C. §102(e) as unpatentable over European Patent Application No. EP 0678848 to Maekawa (hereinafter "Maekawa"); claims 22, 27, 29, 30 and 33 under 35 U.S.C. §102(b) as unpatentable over U.S. Patent No. 4,816,816 to Usui (hereinafter "Usui"); and claims 31 and 32 under 35 U.S.C. §103(a) as unpatentable over Usui in view of Maekawa. These rejections are respectfully traversed.

Neither Fukuda, nor Maekawa or Usui, disclose, teach or suggest a display device or display substrate comprising, *inter alia* a plurality of scan lines, a plurality of data lines, the at least one of the plurality of data lines connectable to both of the first data line drive and the second data line driver, as claimed in independent claim 22, and similarly claimed in independent claim 27 and 28.

As pointed out to, and agreed by the Examiner at the March 18 personal interview, in Fukuda, Usui or Maekawa, one of the same plurality of data lines is connectible to only one of the first data line driver and not to the second data line driver. This is different than the claimed invention where the at least one of the plurality of data lines is connectible to both of the data line driver and the second data line driver, as claimed in independent claims 22 and 27 and similarly claimed in claim 28.

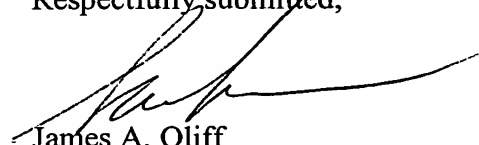
For at least these reasons, it is respectfully submitted that independent claims 22, 27 and 28 are distinguishable over the applied art. Claims 23-26 and 29-34, which depend from claims 22, 27 and 28, are likewise distinguishable over the applied art for at least the reasons discussed above as well as for additional features they recite. Withdrawal of the rejections under 35 U.S.C. §102 and §103 is respectfully requested.

II. Conclusion

For at least the reasons discussed above, it is respectfully submitted that this application is in condition for allowance.

Should the Examiner believe that anything further is desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact Applicant's undersigned representative at the telephone number listed below.

Respectfully submitted,



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Attachment:
Appendix

Date: April 11, 2003

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<p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>

APPENDIX

Changes to Claims:

The following is a marked-up version of the amended claims:

22. (Twice Amended) A display device, comprising:

- a plurality of scan lines;
- a plurality of data lines;
- a display matrix comprised of a plurality of pixels at the intersections of the plurality of scan lines and the plurality of data lines;
- a first data line driving circuit; and
- a second data line driving circuit,

the first data line driving circuit connectable to at least one of the plurality of data lines through one end of the at least one of the data lines,

the first data line driving circuit being a line sequential driver, ~~and~~

the second data line driving circuit connectable to the at least one of the plurality of data lines through the other end of the at least one of plurality of the data lines, and

the at least one of the plurality of data lines connectable to both of the first data line driver and the second data line driver.

27. (Twice Amended) A display substrate for use with a first data line driving circuit and a second data line driving circuit, comprising:

- a plurality of scan lines; and
- a plurality of data lines;

at least one same data line of the plurality of data lines connectable to both of the first data line driving circuit and the second data line driving circuit, and

the first data line driving circuit being a line sequential driver.

28. (Twice Amended) A display substrate for use with a first data line driving circuit and a second data line driving circuit, comprising:

a plurality of scan lines; and

a plurality of data lines;

~~at least one of the plurality of data lines connectable to both of the first~~
data line driving circuit and,

~~at least one of the plurality of data lines connectable to the second data~~
line driving circuit, and

the first data line driving circuit being a line sequential driver.